PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference	FOR FURTHER ACTIO	ON See Notificate Preliminary	tion of Transmittal of International Examination Report (Form PCT/IPEA/416)			
E0377/7012WO International application No.	International filing date (day	/month/year)	Priority date (day/month/year)			
1	05 December 2001 (05.12.2)	001)	05 December 2000 (05.12.2000)			
PCT/US01/47251 International Patent Classification (IPC) or national classification and I	PC				
Applicant	PC(7): A61K 31/7008, 31/702; C07H 5/06; A61P 37/02 and US Cl.: 536/123.1					
THE BRIGHAM AND WOMEN'S HOSPITAL, INC.						
1 This international prelim	iminary examination report has been prepared by this International Preliminary and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of	of a total of $\frac{1}{2}$ sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT)						
These annexes consist of	a total of sheets.	·				
3. This report contains indi	3. This report contains indications relating to the following items:					
I Basis of the re	· port					
II Priority		•				
	ent of report with regard to	novelty, inventive	e step and industrial applicability			
IV Lack of unity						
V Reasoned state	ment under Article 35(2) with	regard to novelt	y, inventive step or industrial			
applicability; c	tations and explanations supp	orting such state	ment .			
VI Certain docum	ents cited					
VII Certain defects	in the international application	n				
VIII Certain observ	VIII Certain observations on the international application					
Date of submission of the demand	Da	te of completion	of this report			
24 June 2002 (24.06.2002)	№	September 2004 (0	4.09.2004)			
Name and mailing address of the IPEA	US A	horized officer	who for			
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	TP.	trickUr. Lewis	blung. V			
P.O. Box 1450 Alexandria, Virginia 22313-1450	V	ephone No. 571-2	72-0655			
Facsimile No. (703) 305-3230						

Form PCT/IPEA/409 (cover sheet)(July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/LIS01/47251	

I.	Basis of the report	
1.	With regard to the elements of the	hternational application:*
	the international application	as originally filed.
	the description:	
	70 as Of	ginally filed
	P-8-	ed with the demand ed with the letter of
	pages <u>NONE</u> , fil	ed with the letter of
	the claims:	
	F-8	riginally filed amended (together with any statement) under Article 19
		ed with the demand
	pages <u>NONE</u> , fil	ed with the letter of
	the drawings	dinally filed
	pages 1-6 , as or pages NONE , fil	an will the deliand
	pages NONE , fil	ed with the letter of
	the sequence listing part of	
	pages NONE . as	briginally filed
	NO. TO THE	ed with the demand
		ad with the letter of
2.		the stampets marked shove were available of Riffillshou to this Authority in the
		al application was filed, unless otherwise indicated under this item. furnished to this Authority in the following language which is:
	These elements were available of	furnished to this reduced in the search (under Rule 23.1(b)).
	the language of a translatio	furnished for the purposes of international search (under Rule23.1(b)).
	the language of publication	of the international application (under Rule 48.3(b)).
	the language of the translat	on furnished for the purposes of international preliminary examination (under Rules
	55.0 (1/27) 55.2)	
3.	With regard to any nucleotide a	nd/or amino acid sequence disclosed in the international application, the
	international preliminary examin	ation was carried out on the basis of the sequence many
	contained in the internation	al application in printed form.
	filed together with the inter	national application in computer readable form.
	furnished subsequently to the	is Authority in written form.
	famished subsequently to the	s Authority in computer readable form.
	The statement that the subs	equently furnished written sequence listing does not go beyond the disclosure in the
	international application as	描led has been furnished.
	The statement that the info	mation recorded in computer readable form is identical to the written sequence listing
	has been furnished.	
	The amendments have resu	feed in the cancellation of:
4.	The amendments have resu	
	the description, pag	es <u>NONE</u>
	the claims, Nos. NO.	NE
	the drawings, sheets	Fig NONE
_	This seem has been established	as if (some of) the amendments had not been made, since they have been considered to go
5.		In indicated in the Ninniemenial Dux (Rule 70.2007).
*		
thi	s report as "originally filed" and are	furnished to the receiving Office in response to an instance of Rules 70.16 and 70.17). not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). h amendments must be referred to under item 1 and annexed to this report.
**	Any replacement sheet containing suc	R CHICE CHILDREN THE CONTROL OF THE
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US01/47251

Non-establishment of opinion	with regard to novelty, inventive step and industrial applicability			
	di-vention appears to be novel. to involve all inventive step (to be non-section)			
to be industrially applicable have	not been and will not be examined in respect of:			
the entire international app	ication,			
Claims Nos. 22-39 and 44-61				
because:				
	ation, or the said claim Nos. relate to the following subject matter which does			
not require international application	relate to the following subject matter which do relate to the following subject matter which do relation, or the said claim Nos			
	,			
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	·			
; !	-			
! !				
that no meaningful opinion	rawings (indicate particular elements below) or said claims Nos. 22-39 are so unclear could be formed (specify):			
3D conformation in solution and geometric considered to lead to a lack of clarity	und defined by reference to the following parameter(s): etric-functional features of the same. The use of these parameters in the present context in within the meaning of Article 6 PCT. It is impossible to compare the parameters the hat is set out in the prior art. The lack of clarity is such as to render a meaningful complete search has been restricted to the polymers disclosed in claims 1-21 in combination with the saccharides.			
The applicant's attention is drawn to the international search report has been espect). The applicant is advised that the search is advised that the search report has been especially and the search report of the search	ne fact that claims, or parts of claims, relating to inventions in respect of which no tablished need not be the subject of an international preliminary examination (Rule 66.1(e) to EPO policy when acting as an International Preliminary Examining Authority is normally tion on matter which has not been searched. This is the case irrespective of whether or not ipt of the search report or during any Chapter II procedure.			
opinion could be formed.	os are so inadequately supported by the description that no meaningful			
	rt has been established for said claims Nos. 44-61			
sequence listing to comply with the s	y examination cannot be carried out due to the failure of the nucleotide and/or amino acid andard provided for in Annex C of the Administrative Instructions:			
the written form has not been	furnished or does not comply with the standard.			
the computer readable form ha	not been furnished or does not comply with the standard.			

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International application No. PCT/US01/47251

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V. Reasoned statement under Ru	e 66.2(a)(ii) with regar	d to novelty, inventive step or indus	trial applicability;
citations and explanations sup	porting such statement	· ·	· · · · · · · · · · · · · · · · · · ·
1. STATEMENT	•		
11	Claims	18,20,21 and 41-43	YES
Novelty (N)		1-17, 19, 40	NO
1			
Inventive Step (IS)	Claims	18, 20-21, 41-43	YES
inventive disp (==)	Claims	1-17, 19, 40	NO
'i 1			
Industrial Applicability (A) Claims	1-21, 40-43	YES
1	Claims	NONE	NO
i			
2. CITATIONS AND EXPLANAT	IONS	VIO 6 500 507	
Claims 1-17, 19, and 40 lack novelty un	der PCT Article 33(2) as o	eing anticipated by US 5,700,787.	
Claims 18, 20-21, and 41-43 meet the c	riteria set out in PCT Artic	cle 33(2)-(3), because the prior art does no	ot teach or fairly suggest
the immunomodulatory polysaccharide	S A2.		
Claims 1-21 and 40-43 meet the criteria	set out in PCT Article 33(4), and thus have industrial applicability be	cause the subject matter
claimed can be made or used in industry			
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